2006

Virginia Department of Transportation Daily Traffic Volume Estimates Including Vehicle Classification Estimates

where available

Special Locality Report 210

Town of Dublin

Information in this report is included in Report

77

(Pulaski County)

Prepared By

Virginia Department of Transportation Traffic Engineering Division

In Cooperation With

U.S. Department of Transportation Federal Highway Administration

Virginia Department of Transportation Traffic Engineering Division Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people of the VDOT Traffic Engineering Division Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a "Combined Traffic Estimates for Parallel Roadways on this Route" or "Combined Traffic" identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate "NA" for not available.

VDOT's traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating "NA" for not available. It is the intention of the VDOT Traffic Engineering Division Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate "NA" for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the K Factor estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Design Hour Factor (K Factor) of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

North 81	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.
29	US Route	
7	Virginia State Rou	te
(F241)	Frontage Road (F	precedes frontage route number)
600	Secondary Route	

Special Routes

Bus	Bus - Business Route		
[29]	Bypas - Bypass Route		
	Truck - Truck Route		
ALT	ALT - Alternate Route		
(220)	Wye - Wye Route connector		
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- P Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
- The VDOT Maintainenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

## Virginia Department of Transportation Traffic Engineering Division

## 2006 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Dublin

Route	Jurisdiction	Length	AADT	QA	4Tire	Bus		Tru 3+Axle			QC	K Factor	QK	Dir Factor	AAWDT	QW
11 Broad St	Town of Dublin (Maint: 77)	0.16	VCL Dublii 14000	N	98%	1%	0%	0%	0%	0%	N	0.096	N	0.521	14000	N
11 Broad St	Town of Dublin (Maint: 77)	0.97	00 Oakwood 15000 ECL Dublir	G	98%	0%	0%	0%	1%	0%	F	0.087	F	0.512	16000	G
100	Town of Dublin (Maint: 77)	0.51	SCL Dublin	N	95%	0%	0%	1%	3%	0%	N	0.087	N	0.563	20000	N
100	Town of Dublin (Maint: 77)	0.21	IS 11 Dubli 5500 NCL Dublir	G	95%	0%	0%	1%	3%	0%	F	0.096	N	0.713	5900	G

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Route	Length	AADT	QA	4Tire	Bus	2Axle 3+Ax		2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin			1							. 4010.		. 4010.			
632) Dunlap Rd	0.11	590	··L			77-747 Old Ro	ite 11			 NA			NA		03/26/2002
(632) Dunlap Rd		Т	2			77-1032									
632 Dunlap Rd	0.06	500 From	R							NA			NA		03/28/2002
		Fron	n:			77-1007 Kerr	y St			<u> </u>					
632 Dunlap Rd	0.12	350	R							NA			NA		03/28/2002
632) Dunlap Rd	0.02	420 From	R			77-9927				NA			NA		03/28/2002
632 Dunlap Rd		To				77-1031									
632 Dunlap Rd	0.06	400	R							NA			NA		03/28/2002
	0.00	From				77-1035				⊒					00/00/0000
632 Dunlap Rd	0.06	430	R							NA			NA		03/28/2002
632) Dunlap Rd	0.05	330 From	R			77-1038				NA			NA		03/28/2002
632 Dunlap Rd		Te				ECL Dubli	n								
<u> </u>		Fron				ECL Dubli	n			]					22/22/222
633 Powell Ave	0.03	700	R							NA			NA		03/20/2002
633) Powell Ave	0.06	700	R			77-1005 Map	e St			NA			NA		03/20/2002
633) Powell Ave		Tr				NCL Dubli	n								
O D	0.00	Fron				SCL Dubli	n			<u>ا</u>					00/00/0000
635 Baskerville St	0.06	600	R							NA			NA		03/20/2002
635) Baskerville St	0.05	450	 R			SR 100				NA			NA		03/28/2002
635 Baskerville St		Т				77-747 Old Ro	ite 11								00,20,2002
<u> </u>		Fron				77-1006 Locu	st St								
688 Dunlap Ave	0.13	620	· R			77-632 Dunla	n Rd			NA			NA		02/06/2006
		Fron	n:			Dead End									
689	0.24	130	R							NA			NA		03/26/2002
		Te	1			77-747 Old Ro	ite 11								
(706)	0.12	30 From	·L			77-707				 NA			NA		03/26/2002
(706)		Ti				77-1012 Walke	r Ave								00,20,2002
$\bigcirc$		Fron				77-1011 West	Ave								
(707)	0.07	100	R							NA			NA		03/26/2002
(707)	0.06	Fron	R			77-706				NA			NA		03/26/2002
797	0.00	Te	_			77-1012							147.		00/20/2002
		Fron				77-747									
746 Old Giles Rd	0.08	2900	G	96%	3%	1% 1%	0%	0%	F	0.109	F	0.608	3000	G	2006
(746) Old Giles Rd	0.15	3000 From	G	96%	3%	US 11 1% 1%	0%	0%	С	0.124	F	0.589	3100	G	2006
746) Old Giles Rd	0.15	3000 To		90%	370		0%	076		0.124	Г	0.369	3100	G	2006
(746) Old Giles Rd	0.28	2600 From	G	96%	3%	77-1005 1% 1%	0%	0%	F	0.137	F	0.557	2600	G	2006
179		Tr				NCL Dubli	n								
0115 + 44	2.05	Fron				SR 100				<u>ا</u>					00/00/0000
747 Old Route 11	0.65	1600 TR	R			77-746 Old Gil	es Rd			NA			NA		03/26/2002
O 0115	<b>.</b>	Fron			40:	77-746		•••	_	<u> </u>	_	0.75-		_	
747 Old Route 11	0.50	1700	G	98%	1%	1% 0% NCL Dubli		0%	С	0.121	F	0.525	1800	G	2006
		Fron	n:			77-1002	**			l					
Fifth St	0.12	280	R							NA			NA		1986
···		Te	):			77-1004 WE	ST								

Route	Length	AADT	QA	4Tire	Bus	2Axle	T 3+Axle	ruck e 1Trail	2Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin		Fron	1:			77_	1004 WES	T			1					
1001	0.02	300	R			77	1004 WES	,,			NA			NA		1986
$\overline{}$	0.08	390	R			77-	1004 EAS	T			NA			NA		01/30/2006
(1001)	0.00	т				77-746	6 Old Gile	s Rd						14/4		01/30/2000
		Fron	1:			77-10	003 Fourth	ı St								
1002	0.07	480	R								NA 			NA		1995
4000	0.05	250	R			77-1	001 Fifth	St			NA			NA		1986
(1002)	0.00	Te					77-1009							147.		1000
$\overline{}$		Fron				SR 10	0 Clebone	e Rd								
1003 Fourth St	0.05	990	R								NA —			NA		01/30/2006
$\overline{}$	0.13	420	R				77-1002				NA			NA		1986
(1003)	0.10	Te Te					77-1004							147.		1000
$\overline{}$		Fron				US	11 Broad	St								
Trinkle Ave	0.09	900	R								NA 			NA		01/30/2006
	0.07	600	# R				77-1013				NA			NA		1986
1004	0.07	ъ				77.1	005 Third	St						INA		1900
1004	0.08	550 From	R			//-1	003 111110	51			NA			NA		1995
77)		To Fron	x-				77-1003									
1004	0.08	<b>290</b>	R								NA			NA		1986
		Fron					77-1001 001 Fifth	St			-					
1004	0.04	810	R								NA			NA		1995
		Fron	1				77-1009									
1005 Third St	0.13	60	R			1	Dead End				NA			NA		01/30/2006
****		To Fron					77-1004									
1005 Third St	0.08	880	R								NA			NA		01/30/2006
		Fron	1:			77-746	6 Old Gile	s Rd			<u> </u>					
Maple St	0.12	1600	R								NA			NA		01/30/2006
(1005)	0.01	960	R				77-1023				NA			NA		1986
1005		т					77-1015									
1005 Maple St	0.15	1400	R				,, 1010				NA			NA		01/30/2006
<u></u>		Fron	1:			77-10	33 Black	Ave								
(1005)	0.10	840	R								NA			NA		1986
	0.02	1000	R				77-1016				NA			NA		1995
(1005)	0.02	1000 To				77.10	92 Hamles	Avva						INA		1995
1005	0.13	700 From	R			//-10	83 Hanks	Ave			NA			NA		1986
77)		To Fron	2			77-102	4 Mebane	Ave			_					
1005 Maple St	0.08	720	R								NA			NA		01/30/2006
		Fron	4				3 Powell .									
Locust St	0.06	500	R			//-68	8 Dunlap	Ave			NA			NA		02/06/2006
77)		To Error	<u> </u>			77-1	007 SOU	ГН			<b>—</b> —					
1006	0.02	<b>440</b> Pron	R								NA			NA		1986
		Fron				77-1	007 NOR	ГН								
(1006)	0.08	500	R			I					NA_			NA		1995

1986
1986
1086
1300
4005
1995
1986
1986
1000
02/06/2006
1986
1986
1006
1986
02/06/2006
1995
1000
1995
02/06/2006
02/06/2006
1986
1986
1995
02/02/2006
1995
1000
01/30/2006
01/30/2006
1995

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Route	Length	AADT	QA	4Tire Bu	IS	Truc 2Axle 3+Axle		$\cap$ C	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Dublin		From	v.I			77 1000								
(1015)	0.09	190	R			77-1022			NA			NA		1995
(10,15)		Te				77-1005 Maple St								
		From				77-1014 Church St								
1016	0.06	600	R						NA			NA		1995
		From				77-1022			_					
1016	0.09	350 To	R			77-1005			NA			NA		1995
		From				Dead End			1					
1022	0.10	90	R			Dead End			NA			NA		1995
		To From	-			77-1015								
1022	0.24	160	R						NA			NA		1995
<i>(ii)</i>		To	0:			77-1016								
$\bigcirc$		From	<u> </u>			77-1005 Maple St			<u> </u>					
(1023)	0.10	500	R						NA 			NA		1995
	0.05	From				77-1049						NIA		4005
1023	0.05	<b>200</b>	R			77-1025			NA			NA		1995
		From	r:			77-1005 Maple St			1					
Mebane Ave	0.04	290	R			77 1005 Maple 5t			NA			NA		1995
77)		To				77-1049								
1024 Mebane Ave	0.04	440 From	R			77 1049			NA			NA		01/30/2006
(11)		To	0:			NCL Dublin								
		From				Dead End								
(1025) 77	0.05	<b>270</b>	R			77 1022			NA			NA		1995
		From				77-1023								
(1026) Hawkins St	0.07	850	R			WCL Dublin			NA			NA		11/30/2005
1026 Hawkins St	0.01	To				SR 100						10.		11/00/2000
1026) Hawkins St	0.07	840 From	R			SK 100			NA			NA		02/06/2006
(1026) Hawkins St		To				77-747 Old Route 1	1							
		From				77-632 Dunlap Rd								
(1031)	0.12	260	R						NA			NA		1986
<u> </u>		From				77-1007								
(1031)	0.06	360	R						NA			NA		1995
$\widehat{}$		From	1:			77-1032								
(1031)	0.04	570	R						NA			NA		1986
$\widehat{}$	2.00	From				77-1037			<b>⊒</b>					00/00/0000
(1031) Zeiglar Ave	0.08	740	R			77-747 Old Route 1	1		NA			NA		02/06/2006
		From	1:			77-632 Dunlap Rd	ı							
1032	0.10	40	R			77-032 Dumap Ku			NA			NA		1995
(11)		To				77-1031								
		From	1:			Dead End								
1033 Black Ave	0.05	30	R						NA			NA		01/30/2006
		To	):			77-1005 Maple St								
(1034) Vaughan Ave	0.05	540	N			SCL Dublin			 NA			NA		1986
(1034) Vaughan Ave	0.03	340 To				77-1050						INA		1300
<u> </u>		From	1:		,	77-1050 Armstrong S	St		]					
1034 Vaughan Ave	0.09	650	R			77-1007			NA			NA		1995
		From												
(1035)	0.11	120	R			77-632 Dunlap Rd			NA			NA		1995
1035		To				77-1007								
<del></del>														

						100	iii oi Dul	) III I							
Route	Length	AADT	QA	4Tire	Bus			uck 1Trail	QC F	K actor	QK	Dir Factor	AAWD	r QW	Year
Town of Dublin															
1035	0.15	100	R R				77-1007			NA			NA		1995
(1035)	00	т					77-1037			<u> </u>					.000
		Fron	n:			77-6	32 Dunlap	Rd							
1037	0.07	30	R							NA			NA		02/08/2006
		Fron				77-10	31 Zeiglar	Ave		]—					
1037)	0.08	120	R							NA			NA		1995
<u> </u>		Fron					77-1035			]					
(1037)	0.07	150	R							NA			NA		1986
		Т	-1				77-1038			<u> </u>					
	0.11	From <b>140</b>	R R			77-6	32 Dunlap	Rd		NA			NA		1995
1038	0.11		_										INA		1995
	0.17	190	R				77-1007			NA			NA		1986
1038	0.17	т					77-1037						INA		1300
		Fron	n:				77-1023			i					
1049	0.25	200	R				77 1020			NA			NA		1995
(11)		т	n-			77-10	083 Hanks	Ave.		1					
1049	0.15	120	R			,, 10	700 1141110			NA			NA		1995
77		Т	D:			77-102	24 Mebane	Ave		]					
		From				S	CL Dublin								
1050 Armstrong St	0.13	430	R							NA			NA		1993
<u> </u>		Т	1			S	CL Dublin								
1083) Hanks Ave	0.07	400					77-1005			NA			NA		1986
1083 Hanks Ave	0.07	400								INA			INA		1900
	0.06	470 From	R				77-1049			NA			NA		01/30/2006
1083 Hanks Ave	0.06	4/U				NCI	L Dublin; C	ian					INA		01/30/2000
		Fron	n:				CL Dublin								
Locust Ave Extension	0.13	610	R				CL Duoini			NA			NA		03/28/2002
(11)		Т	D:			77-	688; 77-100	06							
		Fron	n:				77-1023								
1094 Pine St	0.02	30	R							NA			NA		01/30/2006
<u> </u>		Т	1				Dead End								
1097) Dublin Park Rd	0.04	From			S	SR 100; 7	7-682 New	bern Rd					NΙΔ		02/06/2006
Dublin Park Rd	0.04	2200	R							NA			NA		02/06/2006
O Datis Bad Dd	0.44	Fron				77-1098	Town Cer	iter Dr					NI A		00/00/0000
0097 Dublin Park Rd	0.11	950 T	R				Dead End			NA			NA		02/06/2006
		Fron					2 Newbern	Pd		1					
1098) Town Center Dr	0.09	1300	R			77-00	2 INCWDCII	i Ku		NA			NA		02/06/2006
Town Center Dr		Т				77 100	7 Dublin Pa	nd Dd							
Town Center Dr	0.18	1800 From	R			77-109	/ Dubilii i a	uk Ku		NA			NA		02/06/2006
1979		Т					SR 100								
		From	n:				77-1004								
9346	0.05	170	R							NA			NA		1986
<u></u>		To From	n:				77-1001			<b>—</b>					
9346	0.09	160	R							NA			NA		1986
<u> </u>		Т	D:				77-746			<u> </u>					
	_	From				77-74	6 Old Giles	s Rd		]					
9520	0.24	640	R			D 11	: II:.1 0 1	1		NA			NA		01/30/2006
							in High Sch								
	0.26	From <b>560</b>	" R			Dubl	in Mid Sch	lool		NA			NA		02/06/2006
9927	0.20	<b>ЭОО</b>				77-6	32 Dunlap	Rd		1			INA		02/00/2000
							Р	**							